

Rec'd PCT/PT 27 OCT 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV553871379US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 27, 2005

Signature

(Cristin E. Howley)

Docket No.: BBI-185US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Hans-Juergen Krause *et al.*

Application No.: 10/525292

Confirmation No.: 6073

Filing Date of  
International Application: August 15, 2003

Art Unit: N/A

For: FORMULATION OF HUMAN ANTIBODIES  
FOR TREATING TNF- $\alpha$  ASSOCIATED  
DISORDERS

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C.  
371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed July 27, 2005, Applicants respectfully submit an executed Declaration, Petition and Power of Attorney and a surcharge in accordance with 37 CFR 1.492 (e) in response to the Notification. A copy of the Notification is enclosed as well.

Please charge our Deposit Account No. 12-0080 in the amount of \$250.00 covering the fees set forth in 37 CFR 1.17(a)(1) and 1.16(f). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with

any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. BBI-185US.

Dated: October 27, 2005

Respectfully submitted,

By 

Cristin E. Howley

Registration No.: 55,281

LAHIVE & COCKFIELD, LLP

28 State Street

Boston, Massachusetts 02109

(617) 227-7400

(617) 742-4214 (Fax)

Agent For Applicant

Rec'd PCT/77 27 OCT 2005

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<p><i>Effective on 12/08/2004.</i> <i>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</i></p> <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">For FY 2005</h3>		<p><b>Complete if Known</b></p>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/525292-Conf. #6073
		Filing Date	February 16, 2005
		First Named Inventor	Hans-Juergen KRAUSE
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT		(\$)	250.00
		Attorney Docket No.	BBI-185US

**METHOD OF PAYMENT** (check all that apply)

☐ Check  
 ☐ Credit Card  
 ☐ Money Order  
 ☐ None  
 ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account  
 Deposit Account Number: 12-0080  
 Deposit Account Name: Lahive & Cockfield, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below  
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17  
 ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims    Extra Claims    Fee (\$)    Fee Paid (\$)    Multiple Dependent Claims  
 \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    Fee (\$)    Fee Paid (\$)

Indep. Claims    Extra Claims    Fee (\$)    Fee Paid (\$)  
 \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 _____ (round up to a whole number) x _____ = _____		

**4. OTHER FEE(S)**

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1251 Extension for response within first month	120.00
1051 Surcharge-Late oath or declaration	130.00

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	55,281
Name (Print/Type)	Cristin E. Howley	Telephone	(617) 227-7400
		Date	October 27, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV553871379US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 450, Alexandria, VA 22303-1450, on the date shown below.

Dated: October 27, 2005      Signature: (Cristin E. Howley)

Rec'd PCT/PTC OCT 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV553874379US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 27, 2005

Signature: 

(Cristin E. Howley)

Docket No.: **BBI-185US**  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Hans-Juergen Krause *et al.*

Application No.: 10/525292

Confirmation No.: 6073

Filed: February 16, 2005

Art Unit: N/A

For: FORMULATION OF HUMAN ANTIBODIES  
FOR TREATING TNF- $\alpha$  ASSOCIATED  
DISORDERS

Examiner: Not Yet Assigned

**REQUEST FOR CHANGE OF ATTORNEY DOCKET NUMBER**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Attorney Docket Number of the above-identified patent application has changed. Please take notice that the Attorney Docket Number for this application should now be **BBI-185US**. Please reference **BBI-185US** on all future correspondence.

No fee is believed due with this request. If a fee is occasioned, the Director is hereby authorized to charge any deficiencies to our Deposit Account No. 12-0080, under Order No. BBI-185US.

Dated: October 27, 2005

Respectfully submitted,

By 

Cristin E. Howley

Registration No.: 55,281

LAHIVE & COCKFIELD, LLP

28 State Street

Boston, Massachusetts 02109

(617) 227-7400

(617) 742-4214 (Fax)

Agent For Applicant

Application No. (if known):

Rec'd PCT/PT 7 OCT 2005

Attorney Docket No.: BBI-185US

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV553871379US in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on October 27, 2005  
Date



Signature

Cristin E. Howley, Ph.D.

Typed or printed name of person signing Certificate

55,281  
Registration Number, if applicable

(617) 227-7400  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal (3 pages)  
Fee Transmittal (1 page) in duplicate  
One Month Request for Extension of Time (1 page)  
Request to Change Attorney Docket Number (1 page)  
Copy of Notification of Missing Requirements (2 pages)  
Response to Notification of Missing Requirements (2 pages)  
Combined Declaration and Power of Attorney (3 pages)  
Application Data Sheet (3 pages)  
Certificate of Express Mailing (1 page)  
Return Receipt Postcard  
Charge \$250.00 to deposit account 12-0080

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER BBI:185US
INTERNATIONAL APPLICATION NO. PCT/IB2003/004502	INTERNATIONAL FILING DATE 15 August 2003	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/525292
TITLE OF INVENTION FORMULATION OF HUMAN ANTIBODIES FOR TREATING TNF- $\alpha$ ASSOCIATED DISORDERS		PRIORITY DATE CLAIMED 16 August 2002
APPLICANT(S) FOR DO/EO/US Hans-Juergen KRAUSE <i>et al.</i>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/525292</b>		INTERNATIONAL APPLICATION NO. <b>PCT/IB2003/004502</b>		ATTORNEY'S DOCKET NUMBER <b>BBI-185US</b>	
20. <input checked="" type="checkbox"/> Other items or information: Request to Change Attorney Docket Number; Response to Missing Requirements; Copy of Notification of Missing Requirements; Fee Transmittal; Request for Extension of Time; Certificate of Express Mailing; Return Receipt Postcard					
21. <input type="checkbox"/> The following fees have been submitted Basic national fee (37 CFR 1.492(a)) ..... \$300				CALCULATIONS	PTO USE ONLY
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$200				\$	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations ..... \$500				\$	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 0.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00	\$	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =		x		
Independent claims	- 3 =		x		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+		
Petition for One Month Extension of Time			+ 120.00	120.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 250.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 250.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 250.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 250.00</b>	
				Amount to be refunded:	\$
				Amount to be charged	\$

11/01/2005 01:00:00 00000095 120080 10525292

01 FC:1617 130.00 DA

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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 12-0080 in the amount of \$ 250.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 12-0080. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information  
should not be included on this form.** Provide credit card information and authorization on PTO-2038

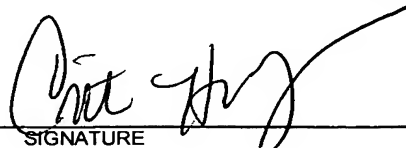
**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Giulio A. DeConti, Jr.  
LAHIVE & COCKFIELD, LLP  
28 State Street  
Boston, Massachusetts 02109  
(617) 227-7400

DATE: October 27, 2005

CUSTOMER NUMBER: 00959

  
SIGNATURE

Cristin E. Howley  
NAME

55,281  
REGISTRATION NUMBER



UNITED STATES PATENT AND TRADEMARK OFFICE

ENTERED  
DOCKETED

Page 1 of 2

Sept. 27, 2005 - Missing Req.  
Feb. 27, 2005 - ESP

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

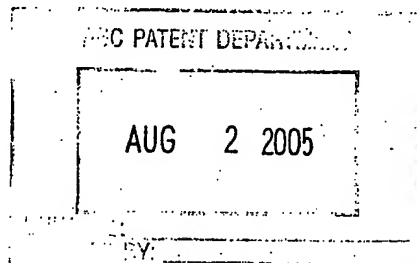
U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/525,292	Hans-Juergen Krause	BBC-166

INTERNATIONAL APPLICATION NO.
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PCT/IB03/04502

LA. FILING DATE	PRIORITY DATE
08/15/2003	08/16/2002

John D Conway  
Abbott Bioresearch Center  
100 Research Drive  
Worcester, MA 01605-4314



CONFIRMATION NO. 6073  
371 FORMALITIES LETTER



\*OC000000016614885\*

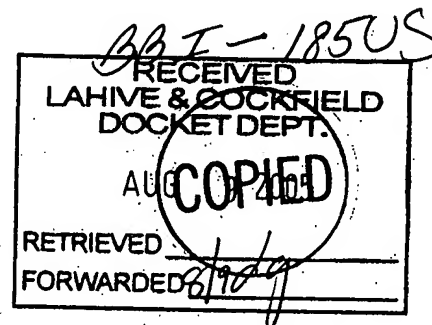
Date Mailed: 07/27/2005

*LaHive*

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 02/16/2005
- Copy of Annexes to the IPER filed on 02/16/2005
- Preliminary Amendments filed on 02/16/2005
- Biochemical Sequence Diskette filed on 02/16/2005
- U.S. Basic National Fees filed on 02/16/2005
- Priority Documents filed on 02/16/2005



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/525,292	PCT/IB03/04502	BBC-166

FORM PCT/DO/EO/905 (371 Formalities Notice)